2017-2018 PROGRAM REQUIREMENTS
Degree: Bachelor of Arts
Major: Liberal Arts, Elementary Teaching
Concentration: Mathematics

About This Major . . .

The Center for Teacher Education offers a comprehensive program of study that leads to licensure in Colorado. Our professors are experienced, knowledgeable, accessible, and dedicated to the improvement of public education. At Colorado Mesa University, we pride ourselves on the personal touch. Faculty offer one-on-one guidance for course selection, field placements, student teaching, and employment. Our mission is to develop *Educators as Innovators;* we are always looking to improve the quality of learning in our programs and K-12 schools.

As a student, you will gradually accumulate over 200 hours of classroom experience before beginning student teaching. School districts throughout western Colorado provide opportunities to gain experience with children of all ages and backgrounds in a variety of school settings.

The elementary licensure program provides teacher education candidates with a broad content knowledge and prepares them as teachers for grades kindergarten through six. A minimum of 60 credit hours of Essential Learning and content area coursework must be completed with a minimum GPA of 2.80 before a candidate may apply for admission to the Center for Teacher Education elementary licensure program. Please see the Teacher Education Admission Packet for further information on admissions criteria. EDUC 115 and EDUC 215 must be taken before applying to the program.

For more information on what you can do with this major, go to http://www.coloradomesa.edu/career/whatmajor.html.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Demonstrate familiarity with the logical and historical development of mathematics and the implications of this development. (Specialized Knowledge)
2. Demonstrate a deep and coherent proficiency in the mathematics underlying elementary curricula. (Quantitative Fluency)
3. Effectively communicate mathematics using oral and written exposition appropriate for teachers of mathematics. (Communication Fluency)
4. Reason mathematically and communicate precisely using clear definitions, appropriate symbols, correct units of measure with an appropriate degree of precision, proper labels, and coherent chains of logic. (Applied Learning)
5. Instruct K-12 students based on self-written learning plans to address individual learning and developmental patterns. (Specialized Knowledge)
6. Design a safe and supportive learning environment for elementary and secondary education students. (Applied Learning)
7. Apply content knowledge while working with learners to access information in real world settings assuring learner mastery of the content. (Specialized Knowledge)
8. Integrate assessment, planning, and instructional strategies in coordinated and engaging ways through multiple means of communication. (Critical Thinking/ Communication Fluency)
9. Engage in meaningful and intensive professional learning and self-renewal by regularly examining practice through ongoing study, self-reflection, and collaboration. (Applied Learning)

Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit

on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at http://www.coloradomesa.edu/registrar/graduation.html.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

INSTITUTIONAL DEGREE REQUIREMENTS

The following institutional degree requirements apply to all CMU baccalaureate degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 120 semester hours minimum.
- Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher.
- 40 upper-division credits (an alternative credit limit applies to the Bachelor of Applied Science degree).
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 30 semester credit hours for a baccalaureate degree; A maximum of 15 of the 30 credits may be for cooperative education, internships, and practica.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

PROGRAM-SPECIFIC DEGREE REQUIREMENTS

- 2.80 cumulative GPA or higher in all CMU coursework
- A cumulative grade point average of 2.8 or higher must be maintained for content courses-and overall GPA. A grade of B or better is required for all EDUC courses.
- Foreign language proficiency must be demonstrated by high school course work (2 years), college coursework (2 semesters), or competency testing.
- Students take the PRAXIS II exam in the content area prior to beginning the internship. Also, ALL other coursework toward the degree must be successfully completed prior to the internship.
- A grade of C or better must be earned in all required courses, unless otherwise stated.

ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

English (6 semester hours, must receive a grade of "B" or better and must be completed by the time the student has 60 semester hours.)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

Mathematics (3 semester hours, must be taken after MATH 105. Must receive a grade of "B" or better, must be completed by the time the student has 60 semester hours.)

- ☐ MATH 205 - Elements of Mathematics II

Humanities (3 semester hours, must earn a grade of "B" or higher)

- ☐ One of the following courses:
  ENGL 131 - Western World Literature I (3)
  ENGL 132 - Western World Literature II (3)
  ENGL 150 - Introduction to Literature (3)
  ENGL 222 - Mythology (3)
  ENGL 231 - Non-Western World Literature I (3)
  ENGL 232 - Non-Western World Literature II (3)
  ENGL 254 - Survey of English Literature I (3)
  ENGL 255 - Survey of English Literature II (3)
  ENGL 261 - Survey of American Literature I (3)
  ENGL 262 - Survey of American Literature II (3)

Social and Behavioral Sciences (6 semester hours)

- ☐ PSYC 233 - Human Growth and Development (3) (Must earn a grade of "B" or higher)
- ☐ GEOG 103 - World Regional Geography (3)

Natural Sciences (7 semester hours, one course must include a lab)

- ☐ BIOL 101 - General Human Biology (3)
- ☐ BIOL 101L - General Human Biology Laboratory (1)
- ☐ One of the following courses:
  PHYS 100 - Concepts of Physics (3)
  PHYS 105 - Physics by Inquiry (2) and PHYS 105L - Physics by Inquiry Laboratory (1)

History (3 semester hours)

- ☐ HIST 131 - United States History (3)

Fine Arts (3 semester hours)

- ☐ Select one Fine Arts course (3)

OTHER LOWER-DIVISION REQUIREMENTS

Wellness Requirement (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

Essential Learning Capstone (4 semester hours)

Essential Learning Capstone must be taken after completion of the Essential Learning English and Mathematics requirements, and when a student has earned between 45 and 75 hours.

- ☐ ESSL 290 - Maverick Milestone (3)
- ☐ ESSL 200 - Essential Speech (1)

BA, LIBERAL ARTS ELEMENTARY EDUCATION, MATHEMATICS REQUIREMENTS

Literacy (9 semester hours)

- ☐ ENGL 240 - Children's Literature (3)
- ☐ ENGL 241 - Imaginative Writing (3)
- ☐ ENGL 343 - Language systems and Linguistic Diversity (3)

Mathematics (6 semester hours)

- ☐ MATH 105 - Elements of Mathematics I (3) (Must earn a grade of "B" or higher.)
- ☐ MATH 301 - Mathematics for Elementary Teachers (3)

Kinesiology (3 semester hours)

- ☐ KINE 321 - Physical Activity and Health in the Classroom (3)

Social Sciences (9 semester hours)

- ☐ POLS 101 - American Government (3)
- ☐ ECON 201 - Principles of Macroeconomics (3)
- ☐ HIST 225 - History of Colorado (3)

Science (6 semester hours)

- ☐ CHEM 100 - Chemistry and Society (3)
- ☐ GEOL 100 - Survey of Earth Science (3)

Art (3 semester hours)

- ☐ ARTD 410 - Elementary Art Education Methods (3)

Math Content Area Required Courses (12 semester hours)

- ☐ STAT 200 - Probability and Statistics (3)
- ☐ One of the following courses:
  CSCI 305 - Technology for Mathematics Educators (3)
  CSCI 110 - Beginning Programming (3)
- ☐ One of the following courses:
  MATH 151 - Calculus I (5)
  MATH 146 - Calculus for Biological Sciences (5)
- ☐ MATH 398 - Explorations in Mathematics for Elementary Educators (1)

Concentration Elective (3 semester hours)

- ☐ One of the following courses:
  MATH 305 - Euclidian Geometry (3)
  MATH 369 - Discrete Structures (3)
  STAT 311 - Statistical Methods (3)
  MATH 340 - Ethnomathematics (3)

Elementary Education Requirements (38 semester hours) (880 field experience hours)
Program Requirements: ENGL 111, ENGL 112, PSYC 233, EDUC 115 and 215, and MATH 105 and formal acceptance to the Teacher Education Program

- ☐ EDUC 115 - What It Means to be an Educator (1) (8 field experience hours)
- ☐ EDUC 215 - Teaching as a Profession (1) (12 field experience hours)
- ☐ EDUC 341 - Pedagogy and Assessment: K-6/Elementary (3) (20 field experience hours)
- ☐ EDUC 343 - Teaching to Diversity (3) (20 field experience hours)
- ☐ EDUC 374 - Exceptional and English Language Learners in the Inclusive Classroom (3)
- ☐ EDUC 378 - Technology for K-12 Educators (1)
- ☐ EDUC 440 - Methods of Teaching Language and Literacy: Early Childhood (3) (40 field experience hours)
- ☐ EDUC 441 - Methods of Teaching Language and Literacy: Elementary (3) (80 field experience hours)
- ☐ EDUC 451 - Methods of Teaching Mathematics: Early Childhood/Elementary (3) (60 field experience hours)
- ☐ EDUC 461 - Methods of Teaching Science and Social Science: Early Childhood/Elementary (3)
- ☐ EDUC 471 - Educational Assessment (1)
- ☐ EDUC 475 - Classroom Management (1)
- ☐ EDUC 499C - Teaching Internship and Colloquia: Elementary (12) (600 field experience hours)

All EDUC prefix courses listed above must be completed with a grade of B or better to progress through the program sequence.

SUGGESTED COURSE SEQUENCING

Freshman Year, Fall Semester: 16 credits

- ENGL 111 - English Composition (3)
- HIST 131 - United States History (3)
- PSYC 233 - Human Growth and Development (3)
- POLS 101 - American Government (3)
- PHYS 100 - Concepts of Physics (3) or PHYS 105 - Physics by Inquiry (2) and PHYS 105L - Physics by Inquiry Laboratory (1)
- KINA Activity (1)

Freshman Year, Spring Semester: 16 credits

- ENGL 112 - English Composition (3)
- CHEM 100 - Chemistry and Society (3)
- HIST 225 - History of Colorado (3)
- GEOL 100 - Survey of Earth Science (3)
- MATH 105 - Elements of Mathematics I (3)
- EDUC 115 - What It Means to be an Educator (1)

Sophomore Year, Fall Semester: 17 credits

- BIOL 101 - General Human Biology (3) and BIOL 101L - General Human Biology Laboratory (1)
- Essential Learning - Humanities (3)
- STAT 200 - Probability and Statistics (3)
- KINE 100 - Health and Wellness (1)
- MATH 205 - Elements of Mathematics II (3)
- ECON 201 - Principles of Macroeconomics (3)

Sophomore Year, Spring Semester: 16 credits

- ENGL 240 - Children's Literature (3)
- ESSL 290 - Maverick Milestone (3)
- ESSL 200 - Essential Speech (1)
- Essential Learning - Fine Arts (3)
- MATH 151 - Calculus (5) or MATH 146 - Calculus for Biological Sciences (5)
- EDUC 215 - Teaching as a Profession (1)

Junior Year, Fall Semester: 18 credits

- EDUC 341 - Pedagogy and Assessment: K-6/Elementary (3)
- EDUC 343 - Teaching to Diversity (3)
- MATH 301 - Mathematics for Elementary Teachers (3)
- KINE 321 - Physical Activity and Health in the Classroom (3)
- ENGL 245 - Imaginative Writing (3)
- MATH - Concentration Course (3)

Junior Year, Spring Semester: 17 credits

- EDUC 374 - Exceptional and English Language Learners in the Inclusive Classroom (3)
- EDUC 378 - Technology for K-12 Educators (1)
- CSCI 305 - Technology for Mathematics Educators (3) or CSCI 110 - Beginning Programming (3)
- GEOG 103 - World Regional Geography (3)
- ARTD 410 - Elementary Art Education Methods (3)
- ENGL 343 - Language systems and Linguistic Diversity (3)
- MATH 389 - Explorations in Mathematics (1)

Senior Year, Fall Semester: 13 credits

- EDUC 440 and EDUC 441 - Methods of Teaching Language and Literacy: Elementary (3) and Early Childhood (3)
- EDUC 451 - Methods of Teaching Mathematics: Early Childhood/Elementary (3)
- ENGL 461 - Methods of Teaching Science and Social Science: Early Childhood/Elementary (3)
- EDUC 471 - Educational Assessment (1)

Senior Year, Spring Semester: 13 credits

- EDUC 499C - Teaching Internship and Colloquia: Elementary (12)
- EDUC 475 - Classroom Management (1)